

SPECIFICATION AMENDMENTS

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In many embodiments, the inventive ADR will be tethered using a "mobile link" of the type described in co-pending U.S. Patent Application Serial No. 10/426,995, the entire content of which is incorporated herein by reference. Other embodiments of the device use multidirectional, caster-like wheels that rotate about a horizontal axis and swivel about a vertical axis, not unlike those found on office chairs. The multidirectional wheels allow the ADR to move in all directions to accommodate spinal motion. The roller embodiments allow flexion and extension of the spine with movement of the ADR. Conversely, the vertebrae slide over the dome shaped rollers during lateral bending.

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Figure 4 is a view of the lateral aspect of the spine and the device. The endplate resurfacing components 402, 404 have features, raised edges, to contain the mobile portion of the device. Figure 5 is a view of the anterior aspect of the spine and the device, showing wheels with axes oriented generally medial to lateral. The mobile portion of the device could also be connected to the inferior resurfacing component via a cable, as described in my co-pending U.S. provisional patent application Serial No. 60/376,505, the entire content of which is incorporated herein by reference.